



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)

The Eastern Iowa DX Bulletin

Number 206, January 26, 2024

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in red. Clickable links are provided for QSL and other information wherever possible. Articles will remain in *The Bulletin* while active, but with a 5-week maximum.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>.

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

Dr. Tony Phillips' [SpaceWeather.com](#), used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)

DX News

4L, GEORGIA. Look for **4L9M**, and **4L7ZS** to each be active in the CQ World Wide 160 Meter CW contest (January 26th to 28th). QSL [4L9M](#) direct and 4L7ZS via LoTW.
-[ARRL DX Bulletin # 4 January 25, 2024] (0126-0202)

5A, LIBYA. Abubaker, **5A1AL** has been active on 80, 60, and 40 meters at various times using FT8. QSL via [ClubLog's OQRS](#).
-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0202)

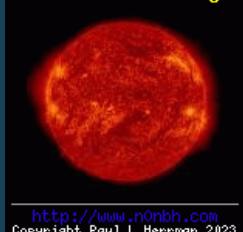
5X, UGANDA. Paul, **5X4E** has been active on 20 meters using SSB around 1500z. QSL direct to [IZ3ZLG](#).
-[ARRL DX Bulletin # 3 January 18, 2024] (0119-0223)



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Solar-Terrestrial Data
27 Jan 2024 1609 GMT
SFI: **157** SN: **52**
A-Index: **6**
K-Index: **0**
X-Ray: **C1.1**
304A: **154.0** @ SEM
Ptn Flx: **274**
Elc Flx: **3740**
Aurora: **1/n=1.99**
Mag (Bz): **2.3**
Solar Wind: **388.0**
Geomag Field **INACTIVE**
Sig Noise Lvl **50-51**
Current Solar Image



5Z, KENYA. Martin, **5Z4PA** has been active on 20 meters using CW around 0200z. QSL via [MØURX](#).

-[ARRL DX Bulletin # 3 January 18, 2024] (0119-0223)

6W, SENEGAL. Gerhard, OE3GEA plans to be QRV as **6W/OE3GEA** near Dakar from **January 27th to February 4th**. Activity will be on 30 to 10 meters using CW. QSL to [OE3GEA](#).

-[ARRL DX Bulletin # 4 January 25, 2024] (0126-0209)

6Y, JAMAICA. Akira, JA7FYF, will be active as **6Y/AC6XT** during **January**.

-[DXNL # 2388 January 10, 2024] (0112-0202)

7O, YEMEN. Vlad, OK2WX will be active from Socotra Island (AF-028) from **January 25th to February 12th** as **7O2WX** on HF, with a focus on the low bands. He plans to set up monoband verticals for 160, 80, and 40m. QRV also during the CQWW 160m CW Contest (January 26th to 28th). For more information see: <https://www.mdxc.support/7o2wx/> QSL via [IZ8CCW](#).

-[DXNL # 2390 January 24, 2024] (0126-0216)

8Q, MALDIVES. Keith, G3WRO will be QRV as **8Q7WR** from **January 24th to February 6th**. Activity will be holiday style on 40 to 10 meters, and possibly on 80 meters, using SSB. QSL to [G3WRO](#).

-[ARRL DX Bulletin # 3 January 18, 2024] (0119-0223)

9A, CROATIA. Throughout 2024 Tom, 9A2AA will use **9A67AA** to mark his 67 years of activity on the amateur radio bands. QSL via [9A2AA](#).

-[425DXN # 1705 January 6, 2024] (0105-0209)

9A, CROATIA. Special callsign **9A1ØØRKZ** celebrates the 100th anniversary since Radioklub Zagreb was founded (March 24, 1924). Look for activity throughout 2024. QSL via [9A1ADE](#).

-[425DXN # 1704 December 30, 2023] (1229-0202)

9M2, WEST MALAYSIA. Ross, **9M2AX** has been active on 160 meters using CW from around 1230 to 1430 UTC, and then from around 2000 to 2330 UTC. QSL direct to [9M2AX](#).

-[ARRL DX Bulletin # 4 January 25, 2024] (0126-0216)

A2, BOTSWANA. John, **A2NEW** is QRV from Gaborone. Activity is on most HF bands daily from 1600 to 1900z. QSL to [A2NEW](#).

-[ARRL DX Bulletin # 4 January 25, 2024] (0126-0301)

C6, BAHAMAS. John, W6JTB, will be active as **C6ABJ** until **April 2024**.

-[DXNL # 2388 January 10, 2024] (0112-0216)

CE9, ANTARCTICA. DK5HH, DL1TOG, and DO5JL will be active as **DPØGVN** from the German research station Neumayer III from **January 20th to early March**, mostly via QO-100. QSL via [DL5EBE](#).

-[DXNL # 2389 January 17, 2024] (0119-0223)

CE9, ANTARCTICA. Felix, DL5XL will be active again as **DP1POL** from the German research station "Neumayer III" (AN-016) beginning **January 20th until early March**. In his spare time, he will operate mainly CW, with some digital modes and SSB. QSL via [DL1ZBO](#), LoTW, or [ClubLog's QRSS](#).

-[425DXN # 1706 January 13, 2024] (0119-0223)

CE9, ANTARCTICA. Andrii, UT3UTQ has been active as **EM1UTQ** from the Akademik Vernadskyi station on Galindez Island (AN-006), Antarctica since **January 9th**. Also stationed at Vernadskyi is Serhii, UW5EHR, who has been QRV as **EM1EHR** since **early**

December 2023. Both are members of the XXVIII Ukrainian Antarctic Expedition, which is expected to remain at the base **until late March**.

-[425DXN # 1706 January 13, 2024] (0112-0216)

CE9, ANTARCTICA. Norbert, VK5MQ, will be active during the 2023/24 season from Casey Base as **VKØAI**. QSL via LoTW, eQSL, or direct. N.E. TRUPP, PO BOX 1359, MOUNT GAMBIER, SA, 5290, Australia.

-[DXNL # 2388 January 10, 2024] (0112-0216)

CE9, ANTARCTICA. Allan, **VKØAW**, continues to operate from Mawson Station (AN-016) **until February**. QSL via [EB7DX](#).

-[DXNL # 2387 January 3, 2024] (0105-0202)

CN, MOROCCO. Michel, F5LRL will be QRV as **CN2DX** near Kenitra from **January 20th to February 10th**. Activity will be on 40 to 6 meters using CW and SSB, with FT8 on 6 meters, from 0500 to 1000z, and then 1800 to 2200z. QSL via [EA5GL](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0119-0209)

CN, MOROCCO. Yannick, CN2YD is QRV as **CN2YD/p** from Molitor Island (AF-065) **until March 15th**. QSL via [F6FYD](#).

-[ARRL DX Bulletin # 52 December 28, 2023] (1229-0202)

CT3, MADEIRA IS. Dom, F4IFF, signs **CT3/F4IFF** from Madeira (AF-014) from **January 30th to February 2nd** on 60-10m SSB and FT8. QSL via [EB7DX](#) or [ClubLog's OQRS](#).

-[DXNL # 2390 January 24, 2024] (0126-0202)

DL, GERMANY. Special callsign **DG22SIXTY** celebrates the DARC Ortsverband Gemund's (G22) 60th anniversary from **February 1st until December 31st**. QSL via the bureau.

-[425DXN # 1708 January 27, 2024] (0126-0216)

DL, GERMANY. Special callsign **DM24EHF** (special DOK EHF24) operates around the Men's EHF Euro 2024 Handball Championship from **January 6th to 28th**. QSL via bureau or [DL2VFR](#).

-[DXNL # 2387 January 3, 2024] (0105-0202)

DU, PHILIPPINES. Mike, W6QT is QRV as **DU3/W6QT** from Olongapo City **until the end of January**. QSL to [W6QT](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0202)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of January 26, 2024:

1. P5	DPRK (North Korea)	11. 3Y/B	Bouvet Island
2. BS7H	Scarborough Reef	12. ZS8	Prince Edward & Marion Islands
3. CEØX	San Felix Islands	13. KH4	Midway Island
4. BV9P	Pratas Island	14. VKØM	Macquarie Island
5. KH7K	Kure Island	15. PYØS	Saint Peter And Paul Rocks
6. KH3	Johnston Island	16. PYØT	Trindade & Martim Vaz Islands
7. FT/G	Glorioso Island	17. KP5	Desecheo Island
8. 3Y/P	Peter 1 Island	18. VP8S	South Sandwich Islands
9. FT5/X	Kerguelen Island	19. KH5	Palmyra & Jarvis Islands
10. YVØ	Aves Island	20. ZL9	New Zealand Subantarctic Islands

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF January 26, 2024] (0126-0209)

EK, ARMENIA. Dima, RX3DPK, continues to operate as **EK/RX3DPK** **until the end of 2024** on 160-10m (no 60m) on FT8. QSL via [RX3DPK](#).

-[DXNL # 2388 January 10, 2024] (0112-0216)

EP, IRAN. Mohammed, **EP5MMS** is often active on 20 meters using SSB around 1200 to 1300z. QSL via LoTW.

-[ARRL DX Bulletin # 4 January 25, 2024] (0126-0301)

F, FRANCE. Jean-Louis, F5OCL, and others will be active as **TM1HR** on **January 27th and 28th** for the REF CW contest. QSL via eQSL.
-[DXNL # 2390 January 24, 2024] (0126-0202)

F, FRANCE. Special callsign **TM26PVJ** will be activated from **January 26th to February 4th** for the 26th "Percee du Vin Jaune", the festival celebrating the "Opening of the Yellow Wine" which this year will take place at Arbois (Jura). QSL via [F8GGZ](#).
-[425DXN # 1706 January 13, 2024] (0126-0209)

FG, GUADELOUPE. Herve, F5HRY is QRV as **FG/F5HRY** from Marie Galante Island **until February 2nd**. Activity is holiday style on 80 to 10 meters, including 30, 17, and 12 meters using CW, SSB on request, but no digital modes. QSL direct to [F5HRY](#).
-[ARRL DX Bulletin # 4 January 25, 2024] (0126-0202)

FM, MARTINIQUE. Francis, F6BWJ will be active again as **FM/F6BWJ** from Martinique (NA-107) **starting on January 11th for two months**. He will operate CW on 80-10 meters. QSL via LoTW, or via the bureau to [F6BWJ](#).
-[425DXN # 1705 January 6, 2024] (0105-0209)

FOØ, CLIPPERTON I. Station **TX5S** is QRV **until February 1st**. Activity is on 160 to 6 meters using CW, SSB, RTTY, FT8, 6 meter EME, and active on various Satellites. QSL via [MØURX](#).
-[ARRL DX Bulletin # 3 January 18, 2024] (0119-0223)

FW, WALLIS & FUTUNA IS. Jean-Gabriel, F4CIX, signs **FW1JG** from Wallis Isl. (OC-054) until the **end of January** on 40-6m (SSB, FT8). QSL via LoTW.
-[DXNL # 2388 January 10, 2024] (0112-0202)

GW, WALES. Kev, GWØPUH will be active as **GB9KW** on **January 2nd to 28th** using vintage equipment manufactured by KW Electronics Ltd during the 1960s and 1970s. Main activity will be over the "KW Weekend" (**January 6th to 7th**). Other special callsigns are expected to be on the air, e.g. **GB2KW** (Scotland), **GB4KW** & **GB8KW** (England).
-[425DXN # 1704 December 30, 2023] (1229-0202)

HB, SWITZERLAND. Members of the Zurich City Police Radio Amateur Club (HB9SP) will be active as **HB2ØSP throughout 2024** to celebrate their club's 20th anniversary. QSOs will be uploaded to LoTW, ClubLog and qrz.com; do not send any card via the bureau.
-[425DXN # 1704 December 30, 2023] (1229-0202)

HBØ, LIECHTENSTEIN. Operators DL1MGB, DL3DXX and DL5LYM will be QRV as **HBØDX** in the CQ World Wide 160 Meter CW contest (**January 26th to 28th**). Prior to the contest and possibly during the contest they will be active on other bands using mostly CW. QSL via [DL3DXX](#).
-[ARRL DX Bulletin # 4 January 25, 2024] (0126-0202)

HH, HAITI. Members of the Radio Club d'Haiti will be QRV as **HH22ØY** from **January 1st to 31st** to celebrate the 200th anniversary since the declaration of the former colony's independence. QSL via [N2OO](#).
-[ARRL DX Bulletin # 52 December 28, 2023] (1229-0202)

I, ITALY. A team from Slovenia (S51V, S52OT, S54W, S56N, S57DX, S57UN, S59A) will be active as **IG9/S57DX** from Lampedusa Island (AF-019) on **January 20th to 28th**. Main activity will be during the CQ WW 160-Meter CW Contest (January 26th to 28th); outside the contest they will be QRV on all bands and modes. DXCC-wise this one counts as Italy, but as African Italy in the CQ Contests and the CQ DX Marathon. QSL via [S57DX](#).
-[425DXN # 1706 January 13, 2024] (0119-0202)

I, ITALY. Throughout 2024 ARI Fidenza will use a series of special callsigns each representing a "keyword" that summarizes and characterizes the content of a sentence from one of Guglielmo Marconi's many public speeches: **II4TENC** (**January**), **II4INTU** (**February**), **II4SUCC** (**March**), **II4DETR** (**April**), **II4SEAS** (**May**), **II4RDDE** (**June**), **II4INNV** (**July**), **II4BFRE** (**August**), **II4OTSR** (**September**), **II4VISN** (**October**), **II4BTFU** (**November**), **II4FCGD** (**December**). QSL via [IQ4FE](#). Information about the "Discovering Marconi" award: <http://www.arifidenza.it/>.
-[425DXN # 1706 January 13, 2024] (0112-0216)

JA, JAPAN. Take, JI3DST will be active again as **JS6RRR** from the Miyako Islands (AS-079) beginning **January 5th until April 1st**. He will be QRV also as **JI3DST/6, JJ5RBH/6** and **JR8YLY/6** on SSB and CW, as well as **JI3DST/p, JJ5RBH/p** and **JR8YLY/p** on FT8. QSOs will be made available for ClubLog and LoTW Matching on the IOTA website.
-[425DXN # 1704 December 30, 2023] (1229-0202)

JD1/M, MINAMI TORISHIMA. Take, JG8NQJ will be QRV as **JD1/JG8NQJ** from the weather station on Marcus Island (OC-073) from **January 15th until mid-April**. Activity will be in his spare time on the HF bands using CW and some FT8. QSL direct to [JA8CJY](#).
-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0216)

JY, JORDAN. Nart, **JY5IB** has been active on 30 meters using FT8 around 0300 to 0400z. QSL direct to [JY5IB](#).
-[ARRL DX Bulletin # 3 January 18, 2024] (0119-0223)

K, UNITED STATES. The Straight Key Century Club's annual on-air event, commemorating the club's founding in 2006 and celebrating the original instruments of early radiotelegraphy (straight key, bug and cootie keys), will run on **January 2nd to 31st**. Look for **K3Y** to be aired from the ten US call areas (**K3Y/Ø** through **K3Y/9**), plus **/KH6, /KL7** and **/KP4**. Information on the event and QSL instructions can be found on <https://skccgroup.com/k3y/k3y.php>.
-[425DXN # 1704 December 30, 2023] (1229-0202)

LU, ARGENTINA. Members of AMSAT Argentina will be active as **LU7AA** and with other callsigns from **January 20th to 28th**, celebrating the 34th anniversary of LUSAT (LO-19). Activity will be on all bands using CW, SSB, SSTV, UHF voice, and on FM Satellites. See also: <http://amsat.org.ar/certlusat34.htm> and <https://www.qrzcq.com/call/LU7AA>. QSL direct to [LU7AA](#).
-[DXNL # 2389 January 17, 2024] (0119-0202)

LZ, BULGARIA. Radio Club Blagovestnik (LZ1KCP) will use six special callsigns during 2024 to honor as many different Orthodox saints: **LZ235IR** (**January and February**), **LZ543BN** (**March and April**), **LZ44IZ** (**May and June**), **LZ302IT** (**July and August**), **LZ1515IW** (**September and October**), and **LZ311PA** (**November and December**). QSL via the bureau or direct to P.O. Box 36, 4300 Karlovo, Bulgaria. Details on the "All Saints 2024 Award" can be found at <https://www.lz1kcp.com/>.
-[425DXN # 1705 January 6, 2024] (0105-0209)

OE, AUSTRIA. Christian, OE5CCN will be active as **OE24BI** from **January 1st until June 30th** from the city of Bad Ischl, one of the European Capitals of Culture for 2024. All QSOs will be confirmed automatically via the bureau and LoTW.
-[425DXN # 1704 December 30, 2023] (1229-0202)

OE, AUSTRIA. Celebrating the 60th anniversary of the Rhein Ruhr DX Association (<https://rrdxa.org/>), Jorg, OE6VIE is active as **OE6ØRRDXA** until **June 30th**. QSL via [ClubLog's QRSS](#) and LoTW.
-[425DXN # 1707 January 20, 2024] (0119-0223)

OE, AUSTRIA. Special event station **OE1ØØRADIO** is QRV during **all of 2024** to celebrate the centennial of radio broadcasting in Austria. QSL via operators' instructions.

-[ARRL DX Bulletin # 52 December 28, 2023] (1229-0202)

OE, AUSTRIA. Special callsign **OE4OWO** celebrates the 40th anniversary of the club Wolfsberg ADL 084 **until April 4th**. QSL via [OE8XDX](#).

-[DXNL # 2386 December 27, 2023] (1229-0202)

ON, BELGIUM. Special callsign **OT65BXE** will be used by members of UBA Section Bruxelles-Est to celebrate their club's 65th anniversary on **January 1st to 31st**. QSL via [ON5UB](#).

-[425DXN # 1705 January 6, 2024] (0105-0202)

ON, BELGIUM. The Radio-Club de Luettich (ON5VL) celebrates its 100th anniversary with the callsign **OR1ØØLGE** **during 2024**. QRV on 160-6m (CW, SSB, FT4/8). QSL via [ON6YH](#), ClubLog, LoTW, eQSL.

-[DXNL # 2386 December 27, 2023] (1229-0202)

P4, ARUBA. Mathias, DL4MM will be active again as **P4/DL4MM** and **P40AA** (used for FT8/FT4 and during the CQ WW 160-Meter CW Contest on January 26th-28th) from Aruba (SA-036) on **January 19th to 31st**. He will operate CW, SSB and digital modes on 160-10 meters. QSLs via [ClubLog's OQRS](#), LoTW, or via [DL4MM](#).

-[425DXN # 1705 January 6, 2024] (0119-0202)

PA, NETHERLANDS. Special callsign **PD24HNY** remains on the air until the **end of January**. See: <https://www.qrz.com/db/PA23XMAS>

-[DXNL # 2388 January 10, 2024] (0112-0202)

PJ2, CURACAO. Jeff, K8ND, operates as **PJ2ND** **until the end of January**, including several contests as **PJ2T** during that period. QSL for PJ2ND via [K8ND](#), PJ2T via [KU9C](#).

-[DXNL # 2388 January 10, 2024] (0112-0202)

PJ5, SABA & ST. EUSTATIUS. Janusz, SP9FIH is QRV as **PJ5/SP9FIH** **until April 3rd**. Activity is on 40 to 6 meters, and possibly 60 meters, using SSB, RTTY, FT8, and FT4. QSL via LoTW, [SP9FIH](#), [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0216)

SM, SWEDEN. Special callsign **SK1ØØFRK** celebrates the 100th anniversary since Falu Radioklubb (SK4AO) was founded. Look for activity from **January 1st until December 31, 2024**. A very special diploma will be available - see <https://www.qrz.com/db/SK100FRK>.

-[425DXN # 1704 December 30, 2023] (1229-0202)

SM, SWEDEN. Special callsign **SK5ØB** is for members of the Botkyrka Radioamatorer to celebrate their club's golden jubilee **throughout 2024**. The club was founded on January 18, 1974. QSL via the bureau to [SKØHB](#).

-[425DXN # 1704 December 30, 2023] (1229-0202)

SP, POLAND. Special callsign **SN15AXI** continues to honor the memory of Janek Bonikowski (SP3AXI; SK 2008) **until the end of the month**. QSL via bureau or eQSL.

-[DXNL # 2388 January 10, 2024] (0112-0202)

TA, TURKEY. Special callsign **TC6EQ** will be active on **February 1st-29th** to commemorate the earthquake that struck Turkey on February 6, 2023, causing widespread damage, and killing nearly 51,000 people. In particular, this activity will honor the memory of Mustafa Ezer (TA8DX), who lost his life in that catastrophic event. A certificate will be available on <https://tadx.org/awards>. QSL via LoTW.

-[425DXN # 1708 January 27, 2024] (0126-0301)

TA, TURKEY. Mike, DF8AN is QRV as **TA1/DF8AN** **until January 28th**. Activity is on a few HF bands with QRP power using mostly CW with some FT8 from some Lighthouses.

QSL to [DF8AN](#).

-[ARRL DX Bulletin # 4 January 25, 2024] (0126-0202)

TG, GUATEMALA. Steve, K4IM, signs **TG9AWS** during January. The duration of his stay is unknown so far. QSL via [N2OO](#).

-[DXNL # 2388 January 10, 2024] (0112-0202)

TZ, MALI. Jeff, K1MMB, has returned to Bamako and works once more as **TZ4AM** on 80-10m (CW, SSB) and on 6m with a beacon (**TZ6HY/B**); when 6m opens, he will also show up there for QSOs. QSL via [KX4R](#).

-[DXNL # 2388 January 10, 2024] (0112-0216)

VE, CANADA. Jean, VE2JCW, will be active with the callsign **VE2PEACE** during January.

QSL only direct to [VE2JCW](#).

-[DXNL # 2387 January 3, 2024] (0105-0202)

VP2M, MONTSERRAT. Thaire, W2APF is QRV as **VP2MDX** until April 11th. Activity is on 80 to 6 meters using CW, SSB, FM, and FT8. QSL direct to [W2APF](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0209)

VP6, PITCAIRN I. Roger, G3YBO hopes to be active as **VP6/G3YBO** from the shack of Meralda, VP6MW for just a few hours on January 28th when his cruise ship stops at Pitcairn Island (OC-044). He will operate SSB on 17-10 meters from 1800 UTC onwards.

-[425DXN # 1707 January 20, 2024] (0126-0202)

VU, INDIA. A group of Indian ops (VU2ADV, VU2CPL, VU2KGB, VU2PJP, VU2WJ, VU2YYF, VU3FWR, VU3RGP, und VU3WEW) will be active as **AT3N** on January 27th and 28th for the ARSI Field Day and Hill Topping Contest. QSL via [VU2CPL](#).

-[DXNL # 2390 January 24, 2024] (0126-0202)

VU, INDIA. The radio clubs VU2RDO, VU2MHC, and the Manipal Institute of Technology (MIT) Ham Radio club operate from St. Mary's Island (AS-096) on January 27th and 28th as **AT3SM**. The island was last activated almost 6 years ago and permits to go there are very rare due to conservation reasons. QSL via [VU2XE](#), LoTW, OQRS.

-[DXNL # 2390 January 24, 2024] (0126-0202)

VU, INDIA. Operators VU3EFG, VU3FJT, and VU2OGQ are QRV as **AT5D** from Kanyakumari until January 31st for a Beaches On The Air activation. QSL via [VU3EFG](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0202)

VU, INDIA. Operators VU3GWN, VU3CIQ, VU3TBU and VU3UZD will be QRV with special event call sign **AT3POG** from Karnataka from January 1st to March 31st. QSL via [VU3GWN](#).

-[ARRL DX Bulletin # 52 December 28, 2023] (1229-0202)

YB, INDONESIA. Emmanuel, F5LIT plans to be QRV as **YB9/F5LIT** from Bali Island (OC-022) from January 22nd to 30th. Activity will be on 40 to 10 meters using SSB. QSL direct to [F5LIT](#), LoTW.

-[ARRL DX Bulletin # 3 January 18, 2024] (0119-0223)

Z6, REPUBLIC OF KOSOVO. Rene, DL2JRM is QRV as **Z68XX** from Gjilan until January 29th. Activity is on the HF bands using mostly CW. QSL to [DL2JRM](#).

-[ARRL DX Bulletin # 4 January 25, 2024] (0126-0202)

ZC4, UK SOVEREIGN BASE AREAS ON CYPRUS. Martin, MWØBRO is QRV as **ZC4GW** during 2024. QSL to [MWØBRO](#).

-[ARRL DX Bulletin # 4 January 25, 2024] (0126-0301)

ZD7, ST. HELENA. Elvira, IV3FSG will be active as **ZD7Z** from St. Helena (AF-022) from **January 16th to February 4th**. She will operate SSB, CW, RTTY, FT8 and FT4 (using MSHV) on 160-6 meters. Plans are to enable ClubLog's Live Stream feature. QSL via [ClubLog's QRSS](#), paper cards direct to [IK2DUW](#).

-[425DXN # 1700 December 2, 2023] (0112-0209)

ZF, CAYMAN ISLANDS. Craig, KA8DSS will be QRV as **ZF2NB/ZF8** from Little Cayman Island (NA-016) from **January 20th to 26th**. Activity will be on 17, 15, and 10 meters using SSB. QSL direct to [KA8DSS](#).

-[ARRL DX Bulletin # 3 January 18, 2024] (0119-0223)

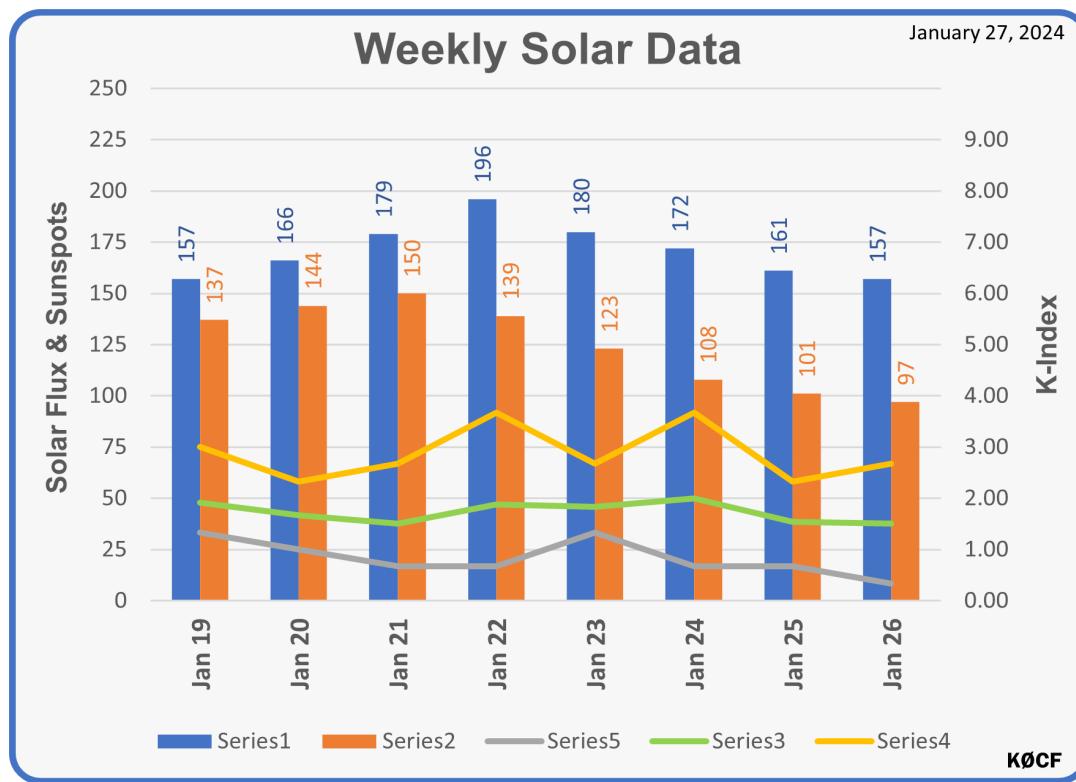
ZL7, CHATHAM ISLAND. Operators ZL1CAP, ZL1LDP, ZL1OV and ZL3SSB will be QRV as **ZL7D** from **January 20th to 27th**. Activity will be on 80 to 10 meters using SSB. QSL via [EA3FLW](#).

-[ARRL DX Bulletin # 3 January 18, 2024] (0119-0223)

ZL7, CHATHAM IS. Station **ZL7DX** has been active on 6 meters using FT8 around 2100z. QSL via [MØOXO](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0209)

Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (K-Idx) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

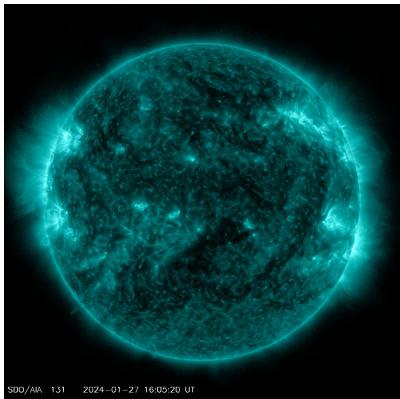
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of the Sun at a wavelength of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



Propagation Summary

For the 8 day period from Friday, January 19th through yesterday, January 26th.

The average solar flux was down 3 points from the previous week, with a weekly high of 196 on Monday, January 22nd, followed by a low of 157 on January 26th.

The average sunspot count was down by 31 for the week, peaking at 150 on Sunday, January 21st followed by a weekly low of 97 on January 26th.

The Planetary K-index weekly average was 2.9 with a maximum of 3.7 on Wednesday, January 24th, resulting in generally quiet geomagnetic conditions.

Solar flare activity since January 19th has been very high with 18 major flares, the largest of which was an M 5.1 event on Tuesday, January 23rd. (See the article below titled "Hyperactive Sunspot" for an explanation of this explosion of activity.)

Propagation Data

Major solar flares, Friday, January 19th through 1413 UTC, January 27th.

#	Date	UTC	Mag.
1	Jan 24	2058	M 1.3
2	Jan 24	0543	M 1.4
3	Jan 24	0140	M 2.6
4	Jan 24	0038	M 1.0
5	Jan 23	1844	M 1.1
6	Jan 23	1640	M 4.3
7	Jan 23	1459	M 1.3
8	Jan 23	1308	M 1.0
9	Jan 23	1258	M 1.0
10	Jan 23	0822	M 2.3
11	Jan 23	0811	M 2.4
12	Jan 23	0331	M 5.1
13	Jan 22	2222	M 2.1

14	Jan 22	2143	M 1.6
15	Jan 22	2121	M 3.4
16	Jan 22	1947	M 2.0
17	Jan 22	1932	M 1.2
18	Jan 22	0622	M 1.5

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Jan 27	45%	10%	155
Jan 28	40%	5%	145
Jan 29	35%	5%	140

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on January 22, 2024).

Date	Flux	Kp
Jan 27	165	2
Jan 28	160	3
Jan 29	155	3
Jan 30	160	3

Date	Flux	Kp
Jan 31	165	2
Feb 1	170	2
Feb 2	170	2
Feb 3	175	2

Date	Flux	Kp
Feb 4	175	2
Feb 5	180	2
Feb 6	180	2
Feb 7	180	2

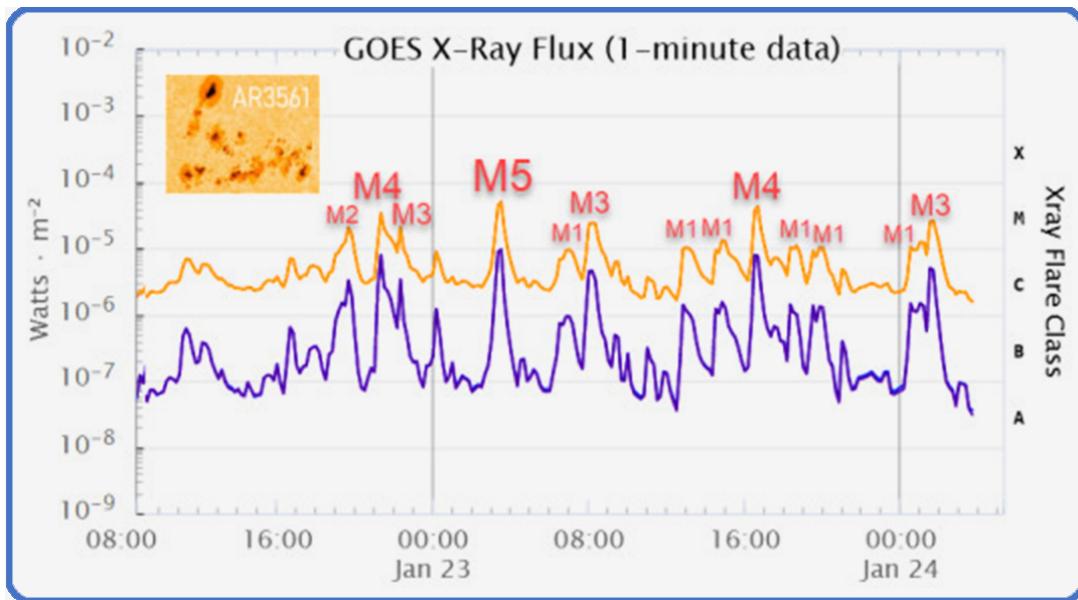
Higns for Cycle 25

Solar Flux: 234 on January 15, 2023.

Sunspots: 227 on July 11, 2023.\

Hyperactive Sunspot

The sun is crackling with solar flares, and almost all of them are coming from hyperactive sunspot AR3561. There have been more than a dozen M-class eruptions in the past day and a half:

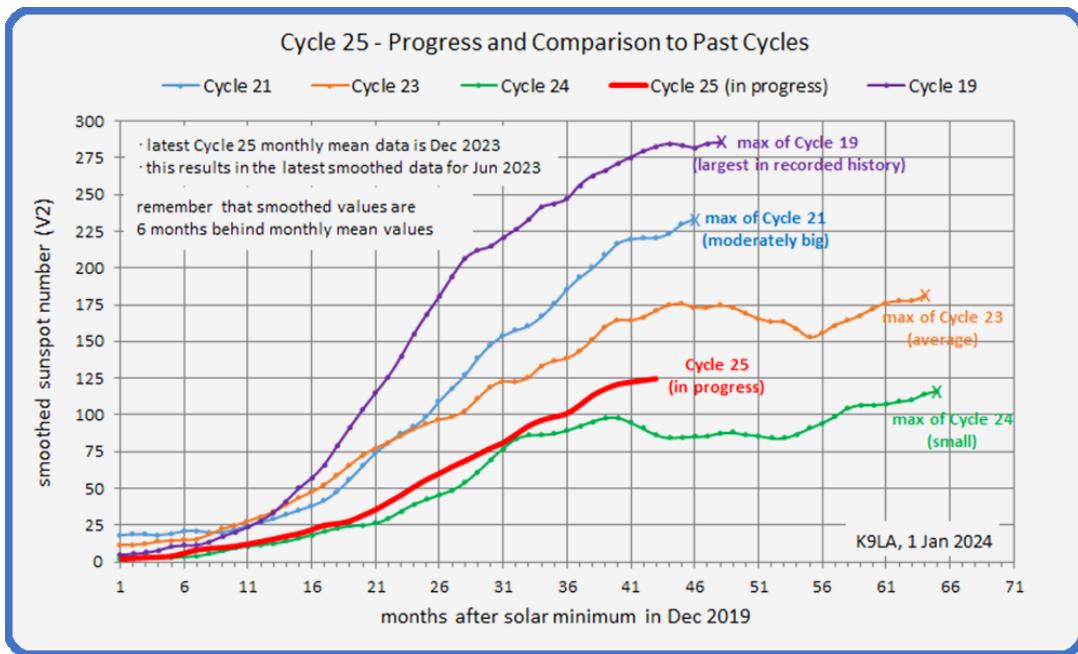


The profusion of flares since the late hours of Jan. 22nd directly tracks the rapid growth of AR3561, which didn't exist when the week began. It is now a sprawling sunspot group 100,000 km wide with more than 20 dark cores. It has a mixed-polarity magnetic field that makes it naturally prone to frequent eruptions.

NOAA forecasters estimate a 75% chance of more M-class flares on Jan. 24th. Make that 100%. We've already observed two. How many will there be when the day is over? Stay tuned. (Copyright © SpaceWeather.com, republished here by permission.)

Cycle 25 vs. Past Cycles

Carl Luetzelschwab, K9LA (an acknowledged propagation expert) has created this graph showing Cycle 25 progress as compared to a few past Solar Cycles. It is very interesting to see that Cycle 25 is a very modest iteration, providing some good but not great propagation on the HF bands.



Popular Propagation web sites

- <https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)
- NOAA <https://www.swpc.noaa.gov/>
- <https://www.spaceweather.com/>
- <https://www.solarham.net/>
- <https://dx.qsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

-[Compiled from information on NOAA.gov and other sources]

Contest Calendar

Weekly Contests

Contest	Start UTC	End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z
ICWC Medium Speed Test	Monday	1300Z	1400Z
	Monday	1900Z	2000Z
	Tuesday	0300Z	0400Z
	Wednesday	1300Z	1400Z
CWops Test (CWT)	Wednesday	1900Z	2000Z
	Thursday	0300Z	0400Z
	Thursday	0700Z	0800Z
Weekly RTTY Test	Friday	0145Z	0215Z

Note: Start Days are in UTC, e.g. Monday at 0000Z is Sunday at 6:00 PM in the Central time zone.

Full Calendar

Contest	Start	End	Web Site
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CQ 160-Meter Contest, CW	Jan 26	2200Z	Jan 28	2159Z	Rules
BARTG RTTY Sprint	Jan 27	1200Z	Jan 28	1200Z	Rules
Winter Field Day	Jan 27	1700Z	Jan 28	1700Z	Rules
Vermont QSO Party	Feb 3	0000Z	Feb 4	2400Z	Rules
10-10 Int. Winter Contest, SSB	Feb 3	0001Z	Feb 4	2359Z	Rules
Mexico RTTY International Contest	Feb 3	1200Z	Feb 4	2359Z	Rules
Minnesota QSO Party	Feb 3	1400Z	Feb 3	2400Z	Rules
British Columbia QSO Party	Feb 3	1600Z	Feb 4	2400Z	Rules
North American Sprint, CW	Feb 4	0000Z	Feb 4	0359Z	Rules
CQ WW RTTY WPX Contest	Feb 10	0000Z	Feb 11	2400Z	Rules
ARRL School Club Roundup	Feb 12	1300Z	Feb 16	2359Z	Rules
ARRL Inter. DX Contest, CW	Feb 17	0000Z	Feb 18	2400Z	Rules
CQ 160-Meter Contest, SSB	Feb 23	2200Z	Feb 25	2159Z	Rules
North American QSO Party, RTTY	Feb 24	1800Z	Feb 25	0600Z	Rules
North Carolina QSO Party	Feb 25	1500Z	Feb 26	0100Z	Rules
ARRL Inter. DX Contest, SSB	Mar 2	0000Z	Mar 3	2400Z	Rules
Open Ukraine RTTY Championship	Mar 2	1800Z	Mar 3	1359Z	Rules
YB DX RTTY Contest	Mar 9	0000Z	Mar 9	2359Z	Rules
Oklahoma QSO Party	Mar 9	1400Z	Mar 10	2100Z	Rules
Stew Perry Topband Challenge	Mar 9	1500Z	Mar 10	1500Z	Rules
Idaho QSO Party	Mar 9	1900Z	Mar 10	1900Z	Rules
North American Sprint, RTTY	Mar 10	0000Z	Mar 10	0359Z	Rules
Wisconsin QSO Party	Mar 10	1800Z	Mar 11	0100Z	Rules
BARTG HF RTTY Contest	Mar 16	0200Z	Mar 18	0200Z	Rules
Russian DX Contest	Mar 16	1200Z	Mar 17	1200Z	Rules
North American SSB Sprint Contest	Mar 24	0000Z	Mar 24	0400Z	Rules
CQ WW WPX Contest, SSB	Mar 30	0000Z	Mar 31	2400Z	Rules
Louisiana QSO Party	Apr 6	1400Z	Apr 7	0200Z	Rules
SP DX Contest	Apr 6	1500Z	Apr 7	1500Z	Rules
JIDX CW Contest	Apr 13	0700Z	Apr 14	1300Z	Rules
New Mexico QSO Party	Apr 13	1400Z	Apr 14	0200Z	Rules
Georgia QSO Party	Apr 13	1800Z	Apr 14	2359Z	Rules
Holyland DX Contest	Apr 19	2100Z	Apr 20	2100Z	Rules
YU DX Contest	Apr 20	0700Z	Apr 21	0659Z	Rules
CQMM DX Contest	Apr 20	0900Z	Apr 21	2359Z	Rules
Michigan QSO Party	Apr 20	1600Z	Apr 21	0400Z	Rules
Ontario QSO Party	Apr 20	1800Z	Apr 21	1800Z	Rules
ARRL Rookie Roundup, SSB	Apr 21	1800Z	Apr 21	2359Z	Rules
10-10 Int. Spring Contest, Digital	Apr 27	0001Z	Apr 28	2359Z	Rules
SP DX RTTY Contest	Apr 27	1200Z	Apr 28	1200Z	Rules

Helvetica Contest	Apr 27	1300Z	Apr 28	1259Z	Rules
Florida QSO Party	Apr 27	1600Z	Apr 28	2159Z	Rules

-[Contest data courtesy of the [WA7BNM Contest Calendar](#)]

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